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(54) PROCESS FOR STEREROSELECTIVE GLYCOSYLATION

(57)Abstract:

PURPOSE: To obtain an α - or β -glycoside by reacting a hexopyranose 1-carbonic acid ester derivative in a state of solution with a hydroxy compound, thereby stereoselectively glycosylating the derivative under mild condition.

CONSTITUTION: A hexopyranose 1-carbonic acid ester derivative dissolved in ethyl ether, etc., is made to react with a hydroxy compound (preferably a sugar derivative) in the presence of an acid catalyst preferably at -20 to -40° C to effect the objective glycosylation reaction. The process can selectively produce a β -glycoside at a reaction temperature of $\leq 0^{\circ}$ C and an α -glycoside at a reaction temperature of $\geq 0^{\circ}$ C.

LEGAL STATUS

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